

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	("4579263").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/13 12:05
L2	2	("3007581").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/13 12:06
S1	87	(US-6935065-\$ or US-6793109-\$ or US-6868975-\$ or US-6863187-\$ or US-6438885-\$ or US-6415932-\$ or US-6142313-\$ or US-5979846-\$ or US-5887730-\$ or US-5819462-\$ or US-5680939-\$ or US-5626379-\$ or US-5454931-\$ or US-5287972-\$ or US-5022536-\$ or US-5138786-\$ or US-4971208-\$ or US-4747280-\$ or US-4696405-\$ or US-4461385-\$ or US-4182453-\$ or US-4132315-\$ or US-4099808-\$ or US-4018339-\$ or US-4174042-\$ or US-3952878-\$). did. or (US-4144971-\$ or US-3917071-\$ or US-3910382-\$ or US-4113107-\$ or US-3927923-\$ or US-2512622-\$ or US-2750088-\$ or US-2692069-\$ or US-2158623-\$ or US-2855108-\$ or US-0321930-\$ or US-2623639-\$ or US-5551562-\$ or US-5979675-\$ or US-6619082-\$ or US-4337918-\$ or US-1110973-\$ or US-6845640-\$ or US-6547085-\$ or US-4280644-\$ or US-3700147-\$ or US-D459625-\$ or US-6817477-\$ or US-6742687-\$ or US-6478165-\$ or US-3964613-\$ or US-6457685-\$). did. or (US-6206261-\$ or US-4877131-\$ or US-2588467-\$ or US-6142349-\$ or US-6129252-\$ or US-5791499-\$ or US-D365715-\$ or US-5375337-\$ or US-4579263-\$ or US-3007581-\$ or US-2998885-\$ or US-2664659-\$ or US-2287805-\$ or US-1951255-\$ or US-1914259-\$). did. or (US-1914259-\$ or US-0795566-\$ or US-0321930-\$ or US-3007581-\$ or US-3235997-\$ or US-1110973-\$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/12 11:10

# EAST Search History

S2	616	("0157241"   "0162207"   "0225706"   "0241392"   "0248347"   "0256303"   "0272787"   "0275534"   "0492304"   "0493645"   "0505320"   "0518317"   "0554252"   "0569422"   "0573258"   "0615821"   "0750817"   "0825332"   "0880318"   "0920132"   "0944355"   "1018015"   "1033915"   "1102785"   "1202588"   "1217838"   "1221584"   "1291430"   "1313061"   "1373560"   "1452640"   "1465659"   "1581061"   "1661516"   "1669523"   "1678353"   "1718316"   "1757600"   "1902423"   "1914259"   "1951255"   "20020179546"   "20030015486"   "20040061419"   "2070904"   "2108402"   "2158623"   "2179272"   "2251271"   "2262298"   "2277976"   "2287805"   "2321018"   "2327334"   "2458608"   "2512622"   "2524931"   "2531550"   "2543703"   "2576559"   "2593402"   "2616566"   "2623639"   "2647667"   "2667274"   "2668645"   "2706036"   "2706508"   "2708038"   "2710100"   "2738941"   "2740530"   "2753189"   "2763453"   "2783896"   "2812123"   "2831335"   "2855108"   "2869729"   "2884172"   "2919058"   "2929539"   "2932544"   "2946452"   "2953251"   "2958422"   "2958423"   "2959295"   "2990987"   "2998885"   "3007581"   "3008677"   "3022898"   "3031069"   "3147988"   "3180494"   "3182871"   "3195898"   "3225734"   "3235997"   "3235998"   "3268130"   "3275160"   "3285554"   "3288304"   "3291317"   "3329278"   "3361265"   "3365156"   "3419154"   "3419728"   "3469520"   "3473673"   "3477586"   "3519234"   "3567034"   "3582988"   "3618785"   "3635433"   "3637180"   "3643811"   "3655087"   "3659721"   "3664163").PN. OR ("3685661"   "3685667"   "3690130"   "3743569"   "3746177"   "3767093"   "3800939"   "3802612"   "3809278"   "3811562"   "3826378"   "3857491"   "3876076"   "3876078"   "3880336"   "3917071"   "3927923"   "3952878"   "3964613"   "3971072"   "3987623"   "3988780"   "3999400"	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/12 11:10
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# EAST Search History

S3	491	("0329140"   "0333210"   "0405335"   "0413872"   "0492304"   "0582027"   "0770904"   "1110973"   "1136691"   "1346581"   "1367253"   "1525330"   "1575988"   "1621329"   "1837939"   "1890940"   "1914259"   "2025639"   "2078612"   "2158623"   "2251271"   "2287805"   "2316995"   "2418062"   "2439623"   "2474513"   "2512622"   "2529581"   "2536252"   "2536797"   "2588467"   "2589598"   "2590154"   "2616566"   "2623639"   "2664659"   "2668645"   "2680544"   "2692069"   "2706036"   "2708088"   "2710100"   "2740530"   "2750088"   "2752046"   "2763453"   "2775351"   "2781897"   "2783896"   "2797852"   "2877689"   "2899162"   "2919058"   "2927352"   "2929539"   "2938692"   "2958422"   "2969900"   "2998885"   "3007581"   "3031069"   "3200623"   "3241344"   "3256872"   "3261521"   "3265261"   "3266633"   "3291317"   "3294247"   "3326385"   "3361265"   "3473673"   "3477586"   "3497077"   "3507398"   "3524572"   "3543547"   "3556363"   "3584820"   "3618785"   "3638257"   "3643811"   "3700147"   "3726256"   "3741529"   "3762789"   "3767093"   "3767094"   "3796073"   "3802612"   "3835678"   "3848940"   "3857491"   "3876078"   "3878589"   "3915189"   "3917071"   "3920297"   "3921585"   "3927923"   "3931893"   "3942691"   "3952878"   "3980217"   "3995742"   "4025015"   "4030221"   "4043279"   "4057180"   "4084735"   "4089423"   "4099752"   "4108313"   "4120436"   "4131202"   "4132315"   "4139100"   "4144971"   "4150806"   "4155608"   "4159142"   "4159588"   "4181221"   "4197951"   "4207699"   "4207699".PN. OR ("4226399"   "4247030"   "4271813"   "4271969"   "4271997"   "4299045"   "4318567"   "4331311"   "4360179"   "4364499"   "4426864"   "4433500"   "4446900"   "4449314"   "4450989"   "4461445"   "4474296"   "4542873"   "4558532"   "4560134"   "4563820"   "4570763"   "4607777"	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/12 11:26
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## EAST Search History

S4	884	(S2 or S3) not S1	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/12 11:27
S5	495	(224/913).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/12 11:27
S6	371	S5 not S4	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/12 11:27
S7	23	("0493645"   "1914259"   "2070904"   "2287805"   "2919058"   "3022898"   "4696461"   "5044590"   "5476188"   "5626379"   "5819462"   "5833102"   "5937559"   "6382484"   "6457685"   "D375644"   "D398949").PN. OR ("6863187").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/12 12:32
S8	28	("1513267"   "20030024283"   "3307755"   "4099593"   "4651544"   "4854145"   "5009088"   "5048682"   "5111755"   "5138786"   "5161396"   "5172575"   "5189894"   "5236086"   "5621996"   "5662219"   "5768819"   "5794466"   "5881584"   "6009654"   "6438885"   "6510642"   "6533149"   "6568117"   "6578307"   "6584719").PN. OR ("6845640"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/12 12:34
S9	48	("1136691"   "2316995"   "2668645"   "2929539"   "3261521"   "3265261"   "3326385"   "3473673"   "3524572"   "3767093"   "3802612"   "3857491"   "4030221"   "4120436"   "4132315"   "4226399"   "4364499"   "4579263"   "4648516"   "4747280"   "4881386"   "4949559"   "5078279"   "5078309"   "5116010"   "5129563"   "5350094"   "5438787"   "5531368"   "5621996"   "5768819"   "5779120"   "5791499"   "5816546"   "6047870"   "D356541").PN. OR ("6438885"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/12 13:24
S10	2	("0411317").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/12 13:25
S11	1	("4113107").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/12 13:25

## EAST Search History

S12	16	("3638257"   "3876078"   "3952878"   "4057180"   "4089423"   "4144971"   "4159588"   "4919316"   "4936531"   "5078279").PN. OR ("6129252").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/12 17:10
S13	25	("2668645"   "2692069"   "2750088"   "3964612"   "4018339"   "4097012"   "4364499"   "4560134"   "4776471").PN. OR ("4936531").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/12 17:14
S14	42	("0505320"   "2535564"   "2668645"   "2783896"   "3326385"   "3473673"   "3727813"   "3767093"   "3802612"   "3857491"   "3942691"   "4132315"   "4364499"   "4505411"   "4560134"   "4579263"   "4696461"   "4747280"   "4881386"   "4936531"   "5116010"   "5129563"   "5339966"   "5350094"   "5531368"   "5536057"   "5779120"   "5799850"   "5816546"   "5934112"   "5979846"   "6047870"   "6360931"   "6457618"   "6457685"   "D401213").PN. OR ("6986446").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/12 17:15
S15	53	("2316995"   "2668645"   "3200623"   "3241344"   "3326385"   "3543547"   "3767093"   "3796073"   "3802612"   "3835678"   "3917071"   "4099752"   "4132315"   "4364499"   "4426864"   "4615548"   "4648638"   "4651544").PN. OR ("4747280").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/12 17:17
S16	28	("0972480"   "2750088"   "3158223"   "3477586").PN. OR ("3876078").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/12 17:27
S17	29	("1837939"   "2158623"   "2316995"   "2536252"   "2668645"   "2919058"   "2958422"   "3556363"   "3802612"   "4057180"   "4364499"   "4986427"   "5076531"   "5361611"   "5524772").PN. OR ("5979846").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/12 17:36
S18	38	("0505320"   "0554252"   "1202588"   "2108402"   "2287805"   "2327334"   "2783896"   "2998885"   "3685667"   "3802612"   "3917071").PN. OR ("4018339").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/12 17:40

## EAST Search History

S19	6	("2287805").URPN.	USPAT	OR	ON	2006/07/12 17:41
S20	5	("554252").URPN.	USPAT	OR	ON	2006/07/12 17:42
S21	24	("0554252"   "0795566"   "0945520"   "2783896"   "3007581"   "3022898"   "3286967"   "3294247"   "3477586"   "3876078"   "4139100"   "4144971"   "4197951"   "5203462"   "5263592").PN. OR ("5797500").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/12 17:43
S22	5	("1951255").URPN.	USPAT	OR	ON	2006/07/12 17:47
S23	3	("321930").URPN.	USPAT	OR	ON	2006/07/12 18:08
S24	4	((("4113107") or ("2998885") or ("5791499")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/13 12:05

# EAST Search History

S65	741	("0157241"   "0162207"   "0225706"   "0241392"   "0248347"   "0256303"   "0272787"   "0275534"   "0333210"   "0405335"   "0413872"   "0492304"   "0493645"   "0505320"   "0518317"   "0554252"   "0569422"   "0573258"   "0582027"   "0615821"   "0750817"   "0770904"   "0825332"   "0880318"   "1018015"   "1102785"   "1110973"   "1136691"   "1202588"   "1217838"   "1221584"   "1291430"   "1373560"   "1452640"   "1465659"   "1513267"   "1525330"   "1575988"   "1581061"   "1621329"   "1661516"   "1669523"   "1678353"   "1718316"   "1757600"   "1800943"   "1837939"   "1890940"   "1902423"   "1914259"   "1951255"   "20030015486"   "20030024283"   "20040061419"   "2025639"   "2070904"   "2078612"   "2108402"   "2158623"   "2179272"   "2251271"   "2262298"   "2277976"   "2287805"   "2316995"   "2321018"   "2327334"   "2418062"   "2439623"   "2458608"   "2512622"   "2529581"   "2531550"   "2536252"   "2576559"   "2589598"   "2590154"   "2593402"   "2616566"   "2623639"   "2664659"   "2667274"   "2668645"   "2680544"   "2706036"   "2708088"   "2710100"   "2738941"   "2740530"   "2753189"   "2783896"   "2797852"   "2812123"   "2831335"   "2855108"   "2869729"   "2884172"   "2919058"   "2927352"   "2929539"   "2938692"   "2946452"   "2953251"   "2958422"   "2958423"   "2959295"   "2998885"   "3007581"   "3022898"   "3031069"   "3147988"   "3180494"   "3182871"   "3195898"   "3200623"   "3225734"   "3235997"   "3235998"   "3241344"   "3261521"   "3265261"   "3275160"   "3285554"   "3291317"   "329278" ("3307755"   "3326385"   "3329278"   "3361265"   "3365156"   "3419728"   "3469520"   "3473673"   "3477586"   "3507398"   "3519234"   "3524572"   "3543547"   "3556363"   "3567034"   "3618785"   "3635433"   "3637180"   "3643811"   "3655087"   "3664163"   "3685661"   "3685667"	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/12 10:06
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## EAST Search History

S66	40	("2543703"   "2647667"   "2919058"   "2990987"   "3268130"   "3473673"   "3917071"   "4120436"   "4360179"   "4364499"   "4852780"   "4873777"   "4998944"   "5129563"   "5350094"   "D130816"   "D313886").PN. OR ("3700147"   "D459625").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/12 10:21
S67	770	S65 or S66	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/12 10:21
S68	21	("2958423"   "3180494"   "3288304"   "3291317"   "3643811"   "3964613"   "4139100"   "4998944"   "6129252"   "6142313"   "D173773"   "D288154"   "D413365").PN. OR ("6478165").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/12 10:29
S69	57	(US-6935065-\$ or US-6793109-\$ or US-6868975-\$ or US-6863187-\$ or US-6438885-\$ or US-6415932-\$ or US-6142313-\$ or US-5979846-\$ or US-5887730-\$ or US-5819462-\$ or US-5680939-\$ or US-5626379-\$ or US-5454931-\$ or US-5287972-\$ or US-5022536-\$ or US-5138786-\$ or US-4971208-\$ or US-4747280-\$ or US-4696405-\$ or US-4461385-\$ or US-4182453-\$ or US-4132315-\$ or US-4099808-\$ or US-4018339-\$ or US-4174042-\$ or US-3952878-\$). did. or (US-4144971-\$ or US-3917071-\$ or US-3910382-\$ or US-4113107-\$ or US-3927923-\$ or US-2512622-\$ or US-2750088-\$ or US-2692069-\$ or US-2158623-\$ or US-2855108-\$ or US-0321930-\$ or US-2623639-\$ or US-5551562-\$ or US-5979675-\$ or US-6619082-\$ or US-4337918-\$ or US-1110973-\$ or US-6845640-\$ or US-6547085-\$ or US-4280644-\$ or US-3700147-\$ or US-D459625-\$ or US-6817477-\$ or US-6742687-\$ or US-6478165-\$ or US-3964613-\$ or US-6457685-\$). did. or (US-1914259-\$ or US-0795566-\$ or US-0321930-\$ or US-3007581-\$).did.	USPAT; USOCR	OR	ON	2006/07/12 10:38
S70	724	S67 not S69	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/12 10:39



## EAST Search History

S71	29	("2588467"   "2706036"   "2781897"   "3266633"   "3700147"   "4108313"   "4197951"   "4433500"   "4446900"   "4877131"   "4922642"   "5110022"   "5116010"   "5299722"   "5310103"   "5595333"   "5642818"   "5683021"   "5706990"   "5878929"   "6145719").PN. OR ("6206261").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/12 10:41
S72	8	("2588467").URPN.	USPAT	OR	ON	2006/07/12 10:44
S73	74	(US-6935065-\$ or US-6793109-\$ or US-6868975-\$ or US-6863187-\$ or US-6438885-\$ or US-6415932-\$ or US-6142313-\$ or US-5979846-\$ or US-5887730-\$ or US-5819462-\$ or US-5680939-\$ or US-5626379-\$ or US-5454931-\$ or US-5287972-\$ or US-5022536-\$ or US-5138786-\$ or US-4971208-\$ or US-4747280-\$ or US-4696405-\$ or US-4461385-\$ or US-4182453-\$ or US-4132315-\$ or US-4099808-\$ or US-4018339-\$ or US-4174042-\$ or US-3952878-\$). did. or (US-4144971-\$ or US-3917071-\$ or US-3910382-\$ or US-4113107-\$ or US-3927923-\$ or US-2512622-\$ or US-2750088-\$ or US-2692069-\$ or US-2158623-\$ or US-2855108-\$ or US-0321930-\$ or US-2623639-\$ or US-5551562-\$ or US-5979675-\$ or US-6619082-\$ or US-4337918-\$ or US-1110973-\$ or US-6845640-\$ or US-6547085-\$ or US-4280644-\$ or US-3700147-\$ or US-D459625-\$ or US-6817477-\$ or US-6742687-\$ or US-6478165-\$ or US-3964613-\$ or US-6457685-\$). did. or (US-6206261-\$ or US-4877131-\$ or US-2588467-\$ or US-6142349-\$ or US-6129252-\$ or US-5791499-\$ or US-D365715-\$ or US-5375337-\$ or US-4579263-\$ or US-3007581-\$ or US-2998885-\$ or US-2664659-\$ or US-2287805-\$ or US-1951255-\$ or US-1914259-\$). did. or (US-1914259-\$ or US-0795566-\$ or US-0321930-\$ or US-3007581-\$ or US-3235997-\$ or US-1110973-\$).did.	USPAT; USOCR	OR	ON	2006/07/12 11:09